

APPLICANT(S): IDAN, Gavriel J.
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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

- 1-5. (Cancelled)
6. (Currently amended) The device as in ~~claim 1~~ claim 19, wherein said fiber plate is configured to coherently transfer said image onto said set of sensor elements.
7. (Currently amended) The device as in ~~claim 1~~ claim 19, wherein said fiber plate cover is to magnify ~~an the image passing through transferred by~~ said fiber plate cover.
8. (Currently amended) The device as in ~~claim 1~~ claim 19, comprising a removable slide configured to hold a sample.
9. (Original) The device as in claim 8, wherein said removable slide comprises a fiber plate.
10. (Currently amended) The device as in ~~claim 1~~ claim 19, comprising an interaction chamber.
11. (Original) The device as in claim 10, comprising an indicator disposed in said interaction chamber, said indicator capable of reacting with a sample.
12. (Original) The device as in claim 11, wherein said imager is to detect a color produced by said reaction.
13. (Original) The device as in claim 10, wherein said interaction chamber comprises a selectively permeable membrane.
- 14-17. (Cancelled)
18. (Currently amended) The device as in ~~claim 1~~ claim 19, comprising a battery.
19. (Currently amended) An autonomous in vivo device comprising:
 - an imager; and
 - a fiber plate cover disposed on sensor elements of said imager, said fiber plate cover to transfer to said sensor elements an image of an object in contact with said fiber plate cover while said in vivo device passes through a body lumen, said fiber plate cover configured to be contiguous with an outer wall surrounding said in vivo device.

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20. (Original) The device as in claim 19, wherein said fiber plate cover is comprised of optical fibers aligned in parallel.
21. (Original) The device as in claim 19, wherein said fiber plate cover is to coherently transfer light onto said sensing element.
22. (Original) The device as in claim 19, comprising an interaction chamber configured for containing a sample.
23. (Original) The device as in claim 22, wherein said interaction chamber includes an indicator, said indicator capable of reacting with said sample.
24. (Currently amended) A method of imaging, ~~comprising the method comprising:~~
passing an in vivo device through a body lumen, said in vivo device
comprising an imager with a fiber plate cover disposed on sensor elements of said imager;
and
capturing with ~~an~~ said imager an image of a sample in contact with ~~a~~ said fiber plate cover on said imager while said in vivo device passes through said body lumen.
25. (Original) The method of claim 24, comprising enclosing said sample in an interaction chamber contiguous to said fiber plate cover.
26. (Original) The method of claim 24, comprising magnifying said image with said fiber plate cover.
- 27-30. (Cancelled)